

AMENDMENT TO THE SPECIFICATIONS

Please amend the specifications as follows:

Please replace the paragraph on pages 29-30 paragraph [0093] with the following amended paragraph:

[0093] For embodiment of FIG. 4, the V-bit 424 for a departure time in table 420 is de-asserted when the packet is selected for departure, which in turn allows priority encoder 406 to select the row 422 in table 420 for replacement with a new departure time for a new packet. However, for embodiments of FIG. 9, the departure of a packet selected for transmission is needed to calculate the departure time of the next packet in the same flow, and therefore should be retained after the packet departs. Thus, the departure time for the most recently received packet for a flow should be retained unless the packet is the last packet in the flow. Accordingly, for some embodiments of FIG. 9, the last packet of a flow can include a termination bit that indicates the packet is the terminal packet in the flow. The termination bit can be used to override and de-assert the M-bit for the last packet in the flow, and then priority encoder 406 can generate the NFA in response to V-bits 424 and M-bits 912. For one embodiment, priority encoder 406 can be configured to consider corresponding rows 910 in CAM device 902 and rows 422 in table 420 only if the corresponding V-bit is de-asserted and the corresponding M-bit is de-asserted.

Please replace the paragraph on page 35 paragraph [0110] with the following amended paragraph:

[0110] Conversely, if MODE is not set to the first state (e.g., $\text{MODE} \neq \text{S1}$), at ~~tested at 1402,~~ as tested at 1402, MODE is further examined at 1404. If MODE is set to a second state that indicates that all traffic is to be throttled (e.g., $\text{MODE} = \text{S2}$), instruction decoder 1302 asserts EN_ALL, which causes DTC circuit 302 to adjust 1/BW by BMF for departure time calculations for all packets, regardless of its traffic flow or traffic type (1405).

Please replace the paragraph on page 36 paragraph [0112] with the following amended paragraph:

[0112] If MODE is set to a fourth state that indicates that only specified traffic types are to be throttled (e.g., MODE = S4), then only packets belonging to flows of the specified traffic type are throttled (1407). For example, instruction decoder 1302 asserts EN_THRT and de-asserts EN_ALL, and a specified TTI is provided to comparand register 904 as a search key, ~~which is turn~~ which in turn provides the specified TTI to CAM device 902 for comparison with the TTI entries 1103 stored in CAM device 902. If there is match, match flag logic 908 asserts /MF. In response to the asserted /MF and the asserted EN_THRT, DTC circuit 302 adjusts 1/BW by BMF when calculating the packet's departure time. If there is not a match, match flag logic 908 de-asserts /MF. In response to the de-asserted /MF and the asserted EN_THRT, DTC circuit 302 calculates the departure time for the packet without adjusting 1/BW by BMF.